

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 57212200  
PUBLICATION DATE : 27-12-82

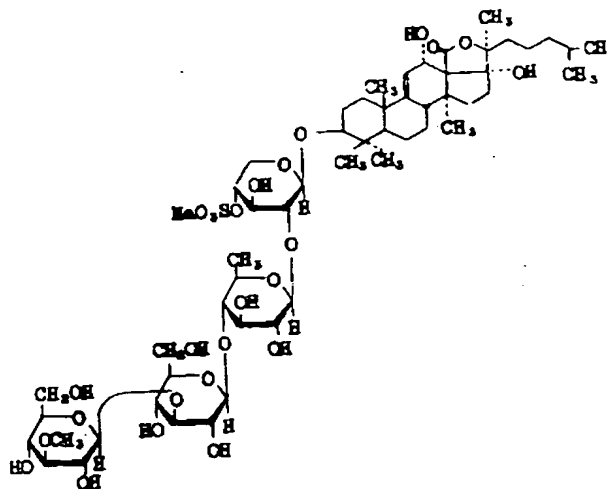
APPLICATION DATE : 23-06-81  
APPLICATION NUMBER : 56098113

APPLICANT : TAKEDA CHEM IND LTD;

INVENTOR : KISHI TOYOKAZU;

INT.CL. : C07J 71/00 // A61K 35/56

TITLE : PREPARATION OF ECHINOSIDE A



**ABSTRACT :** **PURPOSE:** To obtain the titled crystalline compound useful as an antifungal agent, etc. in high yield industrially and advantageously, by extracting the body wall of *Bohadschia graeffei* SEM PER with a hydrophilic organic solvent, distributing the resultant extract with a mixture of water with a water-insoluble organic solvent, and crystallizing the aimed substance from the organic solvent layer.

**CONSTITUTION:** The body wall of *Bohadschia graeffei* SEM PER is finely cut, and then extracted with a hydrophilic organic solvent, e.g. methanol, and the resultant extract is evaporated under reduced pressure. The resultant residue is then distributed with a mixture of water with a water-insoluble organic solvent, e.g. butanol, and the organic solvent layer is then evaporated under reduced pressure. A mixture of chloroform with methanol and water is added to the resultant residue, and stirred at room temperature for 24hr to deposit crystals, which are then recrystallized from a mixed solvent of chloroform with methanol and water to afford the aimed compound expressed by the formula.

**COPYRIGHT:** (C)1982,JPO&Japio